

Fig. 1

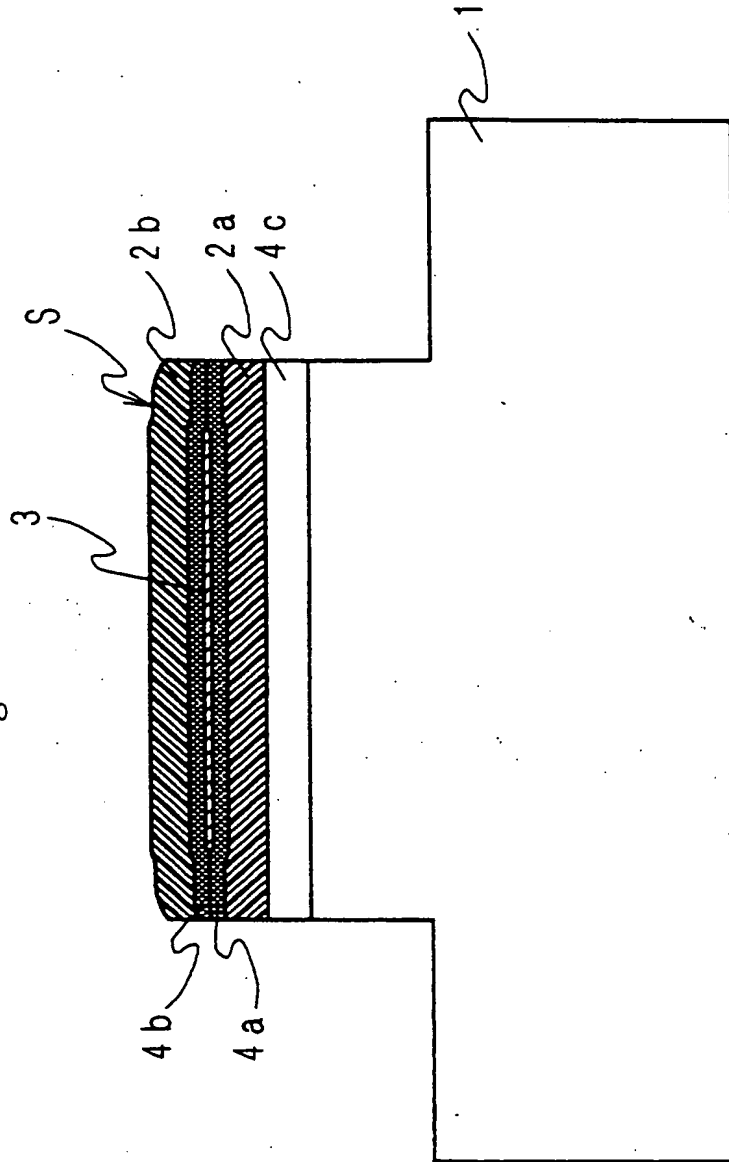


Fig.2

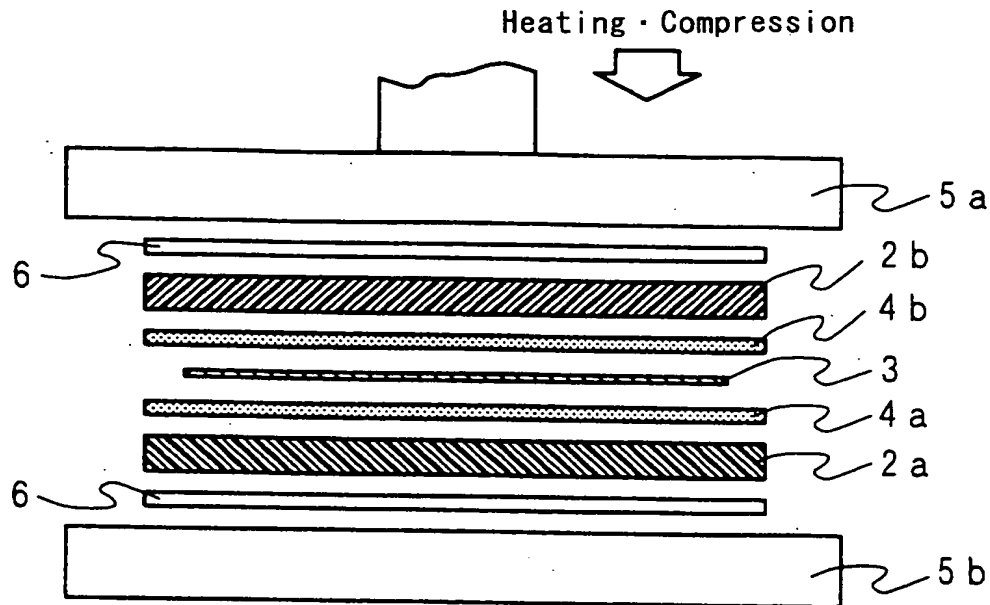


Fig.3

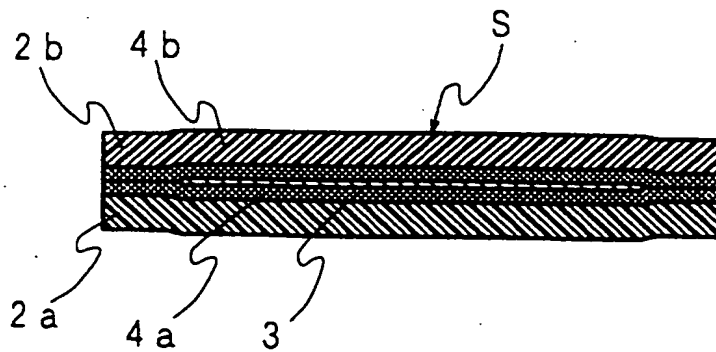
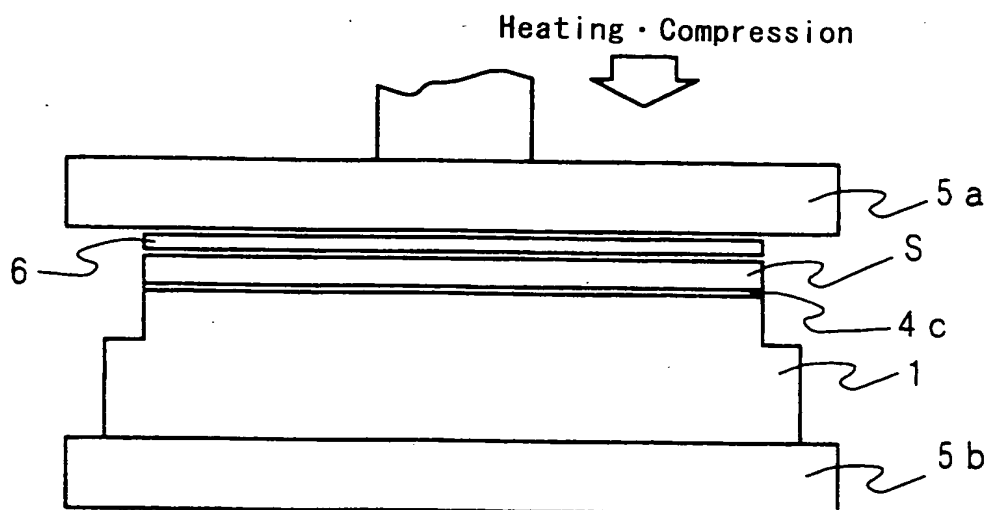


Fig.4



The diagram illustrates a vacuum furnace system with a closed-loop gas circulation circuit. The furnace chamber (1) contains a workpiece (W) supported by a susceptor (3). The chamber is connected to a gas circulation loop (10) that includes a pump (14) and a gas source (13). The loop is controlled by a valve (11) and a pressure sensor (15). The system is designed to maintain a high vacuum (12) during the heating process.